ABSTRACT OF THE DISCLOSURE

A clinker-type hydraulic binder obtained by burning comprising a magnesia spinel mineralogical phase and at least a calcium aluminate mineralogical phase, with a lime content less than 15% of the binder by dry weight. The magnesia spinel represents between 68% and 81% by dry weight of the binder and preferably the calcium aluminates consist essentially of CA and CA_2, with C = CaO and A = Al_2O_3. The invention also concerns the use of such a binder for making a refractory concrete and a method for making such a binder. The invention is useful for making steel ladles (1), preferably for their wear lining.